PCT





INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification 6:
H04B 10/12, G02B 6/10

A1

(11) International Publication Number: WO 00/45532

(43) International Publication Date: 3 August 2000 (03.08.00)

(21) International Application Number:

PCT/AU99/00056

(22) International Filing Date:

28 January 1999 (28.01.99)

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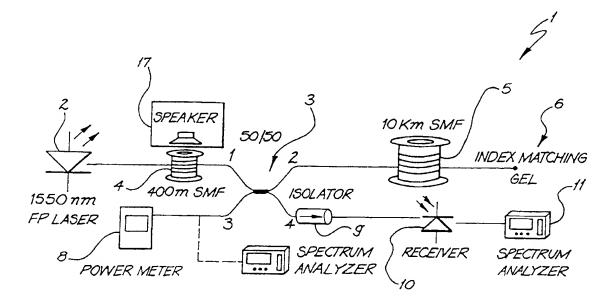
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(81) Designated States: AU, CA, JP, KR, US, European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE).

Published

With international search report.

(54) Title: NOISE SUPPRESSION IN LIGHTWAVE COMMUNICATION SYSTEMS



(57) Abstract

An optical communications system comprising: a laser source; an optical waveguide interconnected to the laser source to carry optical signal from the source to an optical receiver; an optical receiver interconnected to the optical waveguide for decoding the sign a mechanical modulator adapted to substantially continuously mechanically perturb a portion of the optical waveguide so as to reduce Rayleigh backscattering from the optical waveguide.